# TEST REQUEST FORM

Sample/Specimen	1 No. <u>O-110</u>	Cost Code/Work Order No. ED332
Requested By:	Org. <u>81232</u>	Person 1. LINDBERG Date 2-26-90
Test Requested Sieve Analysis Hydronerec WIA	No. of Samples  I  N/A	Test Lab Information (Instruction Used)  ETAL-07  ETAL-07 (CF Reg)  N/A
Remarks FIEW Mw-a-(		Received By: R-G Alexanoex Date 2/2/90 Approved By: R-G Alexanoex Date 2/26/90



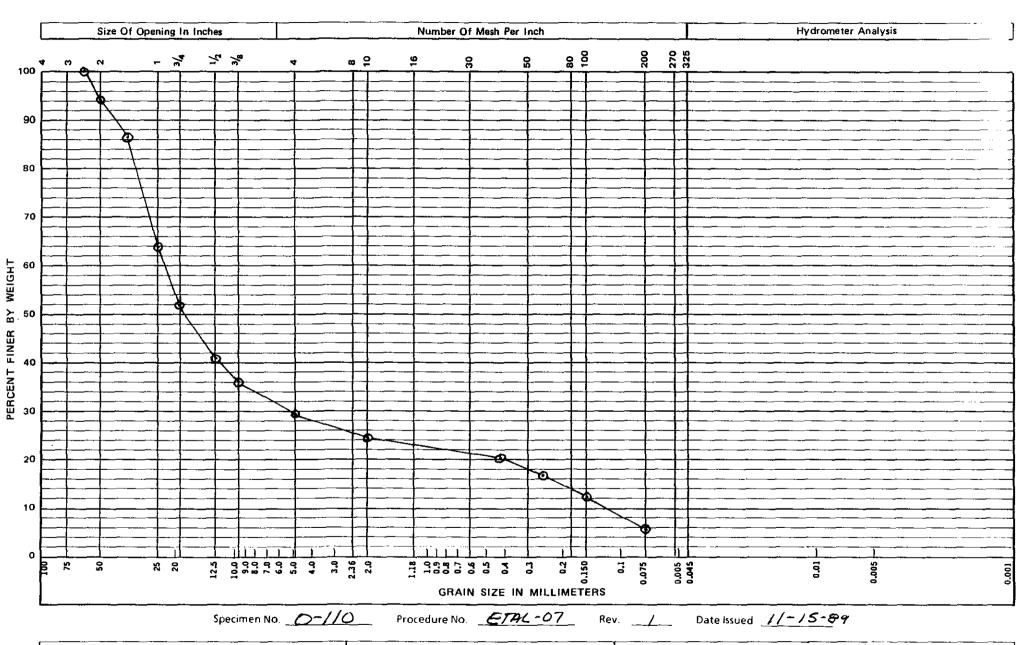
			SIEVE ANAI	YSIS DAT	A SHEET		
	Sampl	e ID <u>O</u> -	110	"	Page/	of <u>/</u>	,
	Tes	sted By_ K	SE PIEXMU	DER I	ate 2-24-9	5	
	Pre	ocedure_ <u>&amp;</u>	E741-07 Re	v <u> </u>	Date Issued_	11-15-89	
		EQUIPME Balance Thermome		JERATION N 3304 0007 N/A	0. DATE I 3-25- 8-/6-	90	
			SAMBY GRAI		— Sieve Tir	•	nin)
	/p\		plitting (	(A)			
Sieve ID Number	Sleve Slze	Sample Weight	Cumulative Wt. Retained (g)	% Retained	Cumulative %	Cumulative %	% Pass
N/A	Z	4550.59	246.61	5.4	5.4	94.6	94.6
	11/2	1	624.63	13.7	13.7	86.3	86.3
	1		1644.86	36-1	36./	63.9	43.9
	3/4		2187.56	48.1	48.1	51.9	51.9
	1/2		2688.89	59.1	59.1	40.9	40.9
	3/8		2905.40	43-8	63.8	34,2	36.2
	#4		3203.03	70.4	70.4	29.6	29.6
	#10	<b>V</b>	3419.79	75.2	75.4	24.6	24.6
	#40	134.59	24.62	18.0	18.0	82.0	20.2
·	460	1	40.45	29.6	29-6	70.4	17.3
	#100		67.53	49.4	49.4	50.6	12.4
<b></b>	* 200	V	104.84	76.8	74.8	23.2	5, 7
	Finess N	dodules (FM	) <u>N/A</u> (	See ASTM C 1	36-83, Section	8.2)	
			NO. 200 SIE			V c	
	C=Percentage of Material Passing a 200 Sieve 23:2%  D=Original Dry Weight of Sample  Remarks  WASH FINE GRADING						<b>ارد</b>
-	•	-	npre r Washing/Sieve		SMAG	L FIELD SAM	UE
E=Dry wel		(D-E)/D> X		: <u>/04.84</u> g			
OP	L DATA	ARE ACC	URATELY AND		ATED INSTRU		Т

1.0

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#### **GRAIN SIZE ANALYSIS PLOT**



Sample Description: SANDY GRAVEL
MW-3-1

Plotted by: R.G. A / EXAMDER

Date: Z-26-90

Checked by: HC Benny

Date: 3-1-90

## SOIL MOISTURE DATA SHEET

PROCEDURE NO. <u>ETAL-14</u> REV. NO. <u>Ø</u>

THERMOMETER NO. <u>000 7</u> CALIBRATION DUE DATE <u>8-16-90</u>

			<del> </del>	<u> </u>		
SAMPLE NO.	WET WT. + CAN	DRY WT. + CAN	CAN WT.	WET WT. SOIL	DRY WT. SOIL	% WATER
0-100	5423.30	5/39.98	589.39	4833.91	4550.59	4.23
					/	
						<u></u>
			$\times$			···-
,			<del></del>			
						<u>-</u>
					-	
					\	<u></u>
						$\overline{}$
			<u></u>			

ALL REQUIRED DATA ARE ACCURATELY AND COMPLETELY RECORDED. THE TEST OPERATOR WAS APPROPRIATELY TRAINED AND TEST PROCEDURES FOLLOWED TO PRODUCE THE ABOVE DATA

TEST OPERATOR:

R.G ALEXANDER

DATE Z-28-90

	Westingh Hanford	ouse Company
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## CHAIN OF CUSTODY

Company Contact: Jon Lindber	<u>Teleph</u>	none 8-5005
Sample Collected by: K.M. Singleton		16-90 Time: 1302, 1155, 1115 k
Sample Locations: <u>1100-EM-1, M</u>	·ω-3	
Ice Chest No.: NA	Field Logbook & Po	ige No.: <u>WHC-N-306-2</u>
Remarks: Have a nice day Je	erry	:
Bill of Lading No.:	Off Site Property No	o.:
Method of Shipment: Van		
Shipped to: 200-East 210	1-M LAB	
M/11-2-1 17 1	Sample Identification	
DMW-3-1, plastic kag		
6) MW-3-2, plaste bag		
	***************************************	- <b>NA</b>
3) MW-3-3, plante bag os	Jamlus	/ uk
steel lines.		/ ///
	/	
CHAIN OF POSSESSION		
Relinquished by:/	Received by:	Date/Time:
Relinquished by:	T. VAUGHN Y. Laughn Received by:	2/21/90 1015
J. VALGHN Or Vaughn	R.G. Alyand R.G. A	Date/Time: /EXANDER_ 2/21/90 1045
Relinquished by:	Received by:	Date/Tîme:
Relinquished by:	Received by:	Date/Time:
		FVR\071889-B



## SAMPLE ANALYSIS REQUEST

			d: <u>2-14.15-16-90</u> Time: <u>///5</u> ho
ompany (	Contact I. Lindberg	<del></del> -	Telephone ( ) 6-500 5
SAMPLE NUMBER	NUMBER & TYPE OF SAMPLE CONTAINERS	TYPE OF SAMPLE	ANALYSIS REQUESTED
MW3-1	I plastic bay	snil	Grain size
NIW3-2	1 platie ong	Spil	Grain size
MW-3-3	1 steel line in a	soil	Grain size, A. limits,
	elestu bay		hy drameter
·- <u>-</u>			
-			
Teld Infor	mation **		
Special Ha	ndling and/or Storage_		
	LABORATORY SECTION	****	Date
		11014	uate u

SURVEYED BY PV FOR S'	
Dose rate - side of container	< <u>0, ≦_mr-h</u>
Max. dose rate through the container	/mr-h
Dose rate to handle container	mr-h
Dose rate at nearest approach on conve	
External contamination < D < B	<u> </u>
SWP and RSR required Yes []	No 🔏
STINISH STATE	
SURVEYED BY THE SHEET BY SURVEYED BY RM FOR SH	W-3-
SURVEYED BY RM FOR SH	
SURVEYED BY RM FOR SH  Dose rate - side of container	IPMENT
SURVEYED BY RM FOR SH  Dose rate - side of container  Max. dose rate through the container	IPMENT (Q.5 mr-hr
SURVEYED BY RM FOR SH  Dose rate - side of container  Max. dose rate through the container  Dose rate to handle container	IPMENT  O-5 mr-hr  mr-hr  mr-hr
SURVEYED BY RM FOR SH  Dose rate - side of container  Max. dose rate through the container  Dose rate to handle container  Dose rate at nearest approach on convey	IPMENT  O-5 mr-hr  mr-hr  mr-hr
DATE 54-8800-009(1-86)	IPMENT  O-5 mr-hr  mr-hr  mr-hr
SURVEYED BY RM FOR SH  SURVEYED BY RM FOR SH  Dose rate - side of container  Max. dose rate through the container  Dose rate to handle container  Dose rate at nearest approach on convey  External contamination	IPMENT  OS mr-hr  mr-hr  ance mr-hr

# SURVEYED BY RM FOR SHIPMENT

Dose rate - side of contain	ner		<0.5 mr-hr
Max. dose rate through the	e contai	ner	/ mr-hr
Dose rate to handle conta			mr-hr
Dose rate at nearest appro	ach on	conve	yance mr-hr
External contamination	$\leq 1$	> <sup>~</sup>	150
SWP and RSR required	Yes		No 一句
SURVEYED BY THECE			
DATE 2-15-190		4	~ ~
54-68	00-009(1-66)	, Mu	1-3-2

# TEST REQUEST FORM

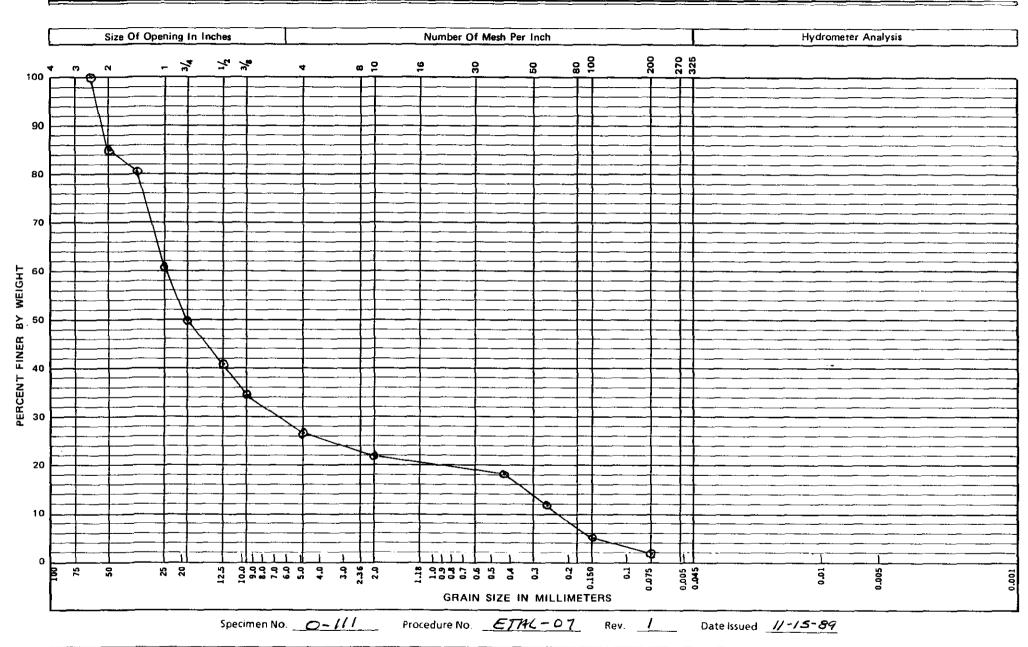
Sample/Specimen No	<u>0-111</u>	Cost Code/Work Order No. ED332
Requested By: Org	.81232	Person J. LINDBERG Date 2-26-90
Test Requested	No. of Samples	Test Lab Information (Instruction Used)
SIEVE LUBLYEUS		ETM -07
Hyprometer	1	ETAL-07 (IF RED)
N/A	414	N/A
N/A	<u> </u>	2/1
		. A. (
Remarks FIEW SA	MACE	Received By: R.G. Alexandez Date 2-21-90
		Approved By: R.C. MEXANDER Date 2-26-90

					SIEVE ANA	LYSIS DAT	A SHEET		
		Sampl	e ID	0-	-111		Page1	_ oř <u> </u>	
		Tes	sted	Ву	RC Alexan	DER I	ate 2-26	- %	
		Pre	oced	ure_	ETAL-07 Re	ev <u>1</u> 1	Date Issued_	11-15-89	
	EQUIPMENT ITEM CALIBRATION NO. DATE DUE  Balance 3304 3-25-90  Thermometer 0007 8-16-90  N/A N/A								
Sar	mpl	e Desc	ript	ion	JAHON GR	AVEL	Sieve Ti	me_10_(r	nin)
		reduced	by	<u> </u>	splitting	(quartering	stock	plle	
]	BEF	(B) ORE TE	est 1	WT. <u>~</u>	<mark>∤ A</mark> FTER TE	ST WT. 12/14	B-A x 100 =	N/ % ross	
Sieve Numt		Sleve Slze	Sar Wei	nple ght	Cumulative Wt Retained (g)	% Retained	Cumulative ? Retained	Cumulative %	% Pass
N/A	7	2	efef.	zz. 18	464.35	15.0	15.0	85,0	85.0
		11/2			870.71	19.7	19.7	<b>%</b> 0,3	80.3
					1735.36	39.2	39.2	46.8	60.8
		3/4			2217.10	50.(	50 · 1	49.9	49.9
		1/2			2625.02	59.4	59.4	40.6	40.6
		3/8			2906.de	65.7	65.7	34.3	34.3
		#4			3246.09	73.4	73.4	24.6	266
		410	•		3454.12	78.1	78.1	21.9	21.9
		#40	138	-87	23.43	16.9	16.9	83.1	18.2
		#60			103.60	45.8	45.8	54.2	11.9
		# 100			108.95	78.5	78.5	21.5	4.7
V		<sup>#</sup> 2∞	1		12650	91.1	91./	8.9	1.9
	Finess Modules (FM) N/A (See ASTM C 136-83, Section 8.2)						***		
MAT	ERL	als fin	VER	THAN	NO. 200 SIE	VE BY WASE		_	
		_			sing a 200 Sie	7e <u>8.9 %</u>	Remar	ks I fine Gra	
		Dry We	-		_	138.87 m		L FIELD	<u> </u>
E=Dry	E=Dry Weight of Sample After Washing/Sieve 12650g SAMPLE  C = <(D-E)/D> X 100								
				<u> </u>		3 40			
					URATELY AND AINED AND U				T
		ecked						3-3-90	
_							•	1-6400-204(2-87)	

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#### **GRAIN SIZE ANALYSIS PLOT**



Sample Description: SANDY GRAVEL
MW-3-2

Plotted by: R.G. Alexander | Checked by: HBenny Date: 2-26-90

Date: 3-3-90

## SOIL MOISTURE DATA SHEET

PROCEDURE NO. ETAL-14 REV. NO. \_Ø

THERMOMETER NO. <u>0007</u> CALIBRATION DUE DATE <u>8-16-90</u>

SAMPLE NO.	WET WT. + CAN	DRY WT. + CAN	CAN WT.	WET WT. SOIL	DRY WT. SOIL	% WATER
	5248.91	5006,28				5.49
<u></u> .			<u> </u>			
					···	<del></del>
<del></del>						
······			$\times$			<del></del> _
<del></del>						<del></del>
						·
						<del>\</del>
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ALL REQUIRED DATA ARE ACCURATELY AND COMPLETELY RECORDED. THE TEST OPERATOR WAS APPROPRIATELY TRAINED AND TEST PROCEDURES FOLLOWED TO PRODUCE THE ABOVE DATA

TEST OPERATOR:

R.G ALEXANDER

DATE 2-28-90

	Westingh Hanford	ouse Company
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## CHAIN OF CUSTODY

Company Contact: Jon L	indhera	Telephone	3-5005
	- (		
Sample Collected by: K.M.S	ing leton	Date: <u>27-74,75,76-90</u>	7 Time: /302, //55, ///5
Sample Locations: <u>//OD-E</u>	n-1, nw-3		
Ice Chest No.: NA	7	Field Logbook & Page No.	: WHC-N-306-2
Remarks: Have a nice of	•		
Bill of Lading No.:	NA	Off Site Property No.:	NA
Method of Shipment: Var	7		
Shipped to: 200-East		ر لم	
	Sample la	lentification	
DMW-3-1, plante b	ag		
		- The state of the	
6) MW-3-2, plaste.	hou	, <u>, , , , , , , , , , , , , , , , , , </u>	
	d		
(a) 411/22 / T			<u></u>
3) MW-3-3, plastu atul linu	bag e staulus	——/ h	<i>A</i>
AUX TIMU.			·····
**************************************			
OUT OF BOCCESSION			
CHAIN OF POSSESSION Relinguished by:/	Received by	<i>r</i>	Date/Time:
FAM will hill Single			2/21/90 1015
Relinquished by: J. VARCEHN D. VALLE	Received by R.C. A.	Wand R.G Alexano	Date/Time: DETC 2/21/90 1045
Relinquished by:	Received by	<i>i</i> :	Date/Time:
Relinquished by:	Received by	r:	Date/Time:
	<del></del>		FVR\071889+B



## SAMPLE ANALYSIS REQUEST

mpany (	Contact I. Lindberg		Telephone ( ) 6-500
AMPLE UMBER	NUMBER & TYPE OF SAMPLE CONTAINERS	TYPE OF SAMPLE	ANALYSIS REQUESTED
1W34	I plante bay	snil	Grain size
W3-2	1 platie bag	sxil	Grain size
W-3-3	1 steel lines in a	soil	Grain size. A. limits hydrometer
id infor	mation **		
ecial Ha	indling and/or Storage		
	LABORATORY SECTION		
RT II:			Date

SURVEYED BY RV FOR SHIPVEY	
Dose rate - side of container (0.5)	mr-hi
Max. dose rate through the container	mr-hi
Dose rate to handle contained	mr-hi
Dose rate at nearest approach on conveyance 💯	mr-h
External contamination < D < BK	
SWP and RSR required Yes [] No XI	
SURVEYED BY RM FOR SHIPMENT	
	ır-hr
Dose rate - side of container <2.5m	r-hr r-hr
Dose rate – side of container  Max. dose rate through the container  Dose rate to handle container  m	r-hr r-hr
Dose rate – side of container   Max. dose rate through the container  m	r-hr r-hr
Dose rate – side of container  Max. dose rate through the container  Dose rate to handle container  m	r-hr r-hr
Dose rate – side of container  Max. dose rate through the container  Dose rate to handle container  Dose rate at nearest approach on conveyance	r-hr r-hr
Dose rate – side of container  Max. dose rate through the container  Dose rate to handle container  Dose rate at nearest approach on conveyance  External contamination	r-hr r-hr

# SURVEYED BY RM FOR SHIPMENT

Dose rate - side of contai	ner		₹0.5	_ _mr-hr
Max. dose rate through th	e conta	iner	/	 _mr-hr
Dose rate to handle conta	lner		<del></del>	 mr-hr
Dose rate at nearest appro	oach on	conve	yance V	mr-hr
External contamination	<1	200	130	
SWP and RSR required	Yes		No -ts	•
SURVEYED BY PACICION	_ ************************************			
DATE 2-15-190	<b>TD04444444</b>			
54-86	900-009(1-66	, Mu	1-3-2	

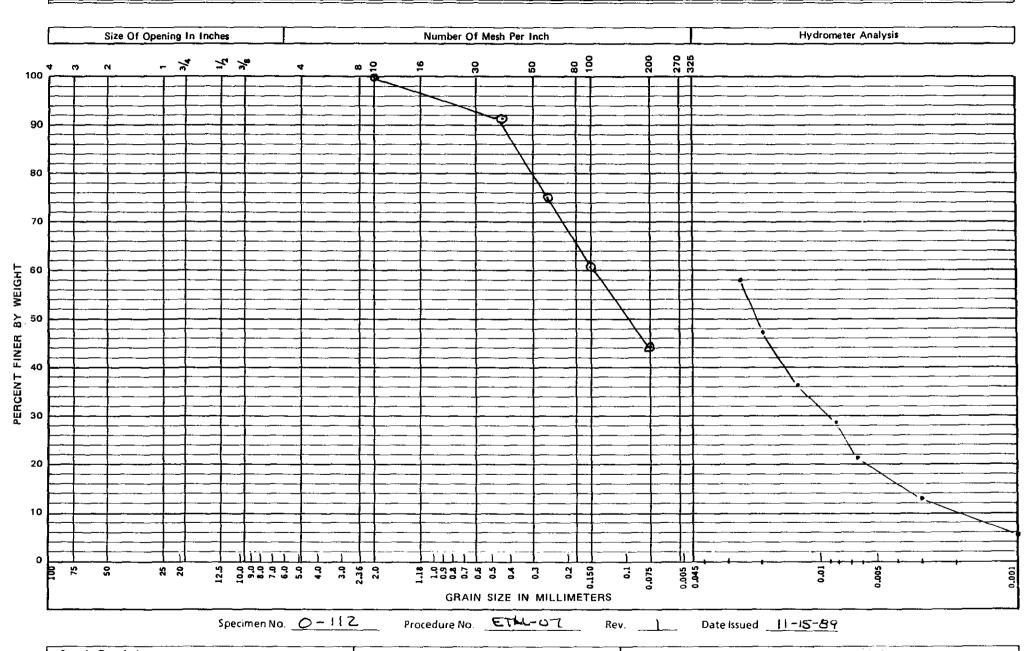
# TEST REQUEST FORM

Sample/Specimen No. O-112			Cost Code/Work Order No. ED 332			
Requested By: Org	81232	Pers	on J. LINDBERG Da	te <u>2-26</u>	<u>-90</u>	
Test Requested	No. of Samples		Test Lab Info (Instruction			
SIEVE ANLWSIS			ETAL-07			
Hydrometon		<del>-</del> .	ETAL-07 (IFREQ)			
ATTERBERG LIMITS			ETDL-18			
4/4	ALL:	<b>.</b> .	NIA			
	•					
Remarks FIELD SAM	upie		ived By: RGAIEXANDER		74	
		Appr	oved By: RG Alexanoe	<b>►</b> Date	2-26-90	

SIEVE ANALYSIS DATA SHEET							
Sample ID_ <u>O-112</u> Page! of							
Tested By RG AIEXANDER Date 2-26-90							
Procedure ETAL-07 Rev Date Issued N-15-89							
EQUIPMENT ITEM CALIBRATION NO. DATE DUE Balance 3304 3-25-90							
Thermometer 0007 8-16-90							
Sample Description Silty Shoo Sieve Time 10 (min)							
reduced by splitting quartering stockpile  (B) (A)							
BEFORE TEST WT. $N/P$ AFTER TEST WT. $\sqrt{A}$ $\frac{B-A}{B}$ x 100 = $N/A$ % LOSS							
Sieve ID Sieve Sample Cumulative Wt. Z Retained Cumulative Z Cumulative Z Pass Number Size Weight Retained (g) Retained Pass							
N/A							
#10 12663 Ø Ø Ø 100 100							
#40 1 10.58 8.4 8.4 91.6 91.6							
±60 31.48 249 24.9 75.1 751							
\$100 50.06 39.5 39.6 40.5 40.5							
1200 70.84 55.9 55.9 44.1 44.1							
Finess Modules (FM) N/A (See ASTM C 136-83, Section 8.2)							
MATERIALS FINER THAN NO. 200 SIEVE BY WASHING							
C=Percentage of Material Passing a 200 Sieve 44./ Z Remarks							
D=Original Dry Weight of Sample 12663 g							
E=Dry Weight of Sample After Washing/Sieve 7084 g							
$C = \langle (D-E)/D \rangle \times 100$							
ALL DATA ARE ACCURATELY AND COMPLETELY RECORDED. THE TEST							
OPERATOR WAS TRAINED AND USED CALIBRATED INSTRUMENTS							
Checked By H. Benny Date 3-3-90							

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#### **GRAIN SIZE ANALYSIS PLOT**



Sample Description: SICTY SAND
MW-3-3

Plotted by: R.G Alexander

Checked by: HBenny
Date: 3-3-90

Date: 2-26-90

### SOIL MOISTURE DATA SHEET

PROCEDURE NO. ETAL-14 REV. NO. Ø

THERMOMETER NO. 0007 CALIBRATION DUE DATE 8-16-90

SAMPLE NO.	WET WT. + CAN	DRY WT. + CAN	CAN WT.	WET WT. SOIL	DRY WT. SOIL	% WATER
0-112	913.94	788.18	307.78	606.14	480.40	24.18
·						
				-		

ALL REQUIRED DATA ARE ACCURATELY AND COMPLETELY RECORDED. THE TEST OPERATOR WAS APPROPRIATELY TRAINED AND TEST PROCEDURES FOLLOWED TO PRODUCE THE ABOVE DATA

R.G. ALEXANDER TEST OPERATOR:

 $\mathcal{O}^*$ 

DATE 2-28-90

## **SPECIFIC GRAVITY OF SOILS DATA SHEET**

Test	Operator <u>R.G. AIEX</u>	ANDER		3-6-90		
	EQUIPMENT ITEM	<u>. N</u>	<u>o.</u>		DATE DUE	
Bala	ance	3304	3-26-90			
Ove	en Thermometer	0007	8-/6-90			
Thermometer         0002           Pycnometer         2554				Z-9	9 - 91 /4	—
Wetti	ng Agent "Φ" WATEK		<del></del>	·····		
	DETERMINATION N	0.	1		2	3
	Drying Container No.		N/A		N/A	N/A
	Wt. Container + Oven Dry Soi	l, ± 0.01g	N/A		·	
	Wt. Container, ± 0.01g		W/A .		· <b>-</b> -	۸
W <sub>o</sub>	Wt. Oven Dry Soil, g		40 .	00		
	Pycnometer No.		2554		,	
	Wt. Pycnometer, g		135	72	·	
W <sub>a</sub>	Wt. Pycnometer + Wetting Ag	ent, g	387 .	12	· <b>_</b>	
W <sub>b</sub>	Wt. Pycnometer + Wetting Ag	jent + Soil, g	4/2 .	_2	·	
	Temperature, T <sub>x</sub> at W <sub>b</sub> , ℃		23.6	٠ ٠		
5 <sub>w</sub>	Specific Gravity of Wetting Ag	ent at T <sub>x</sub>	<u> </u>			
3 <sub>t</sub>	Specific Gravity of Soil at T <sub>x</sub>		2.	<u>é</u> 7		
3,	Specific Gravity of Soil at 20°C		2.	66	<b>1</b>	1
	$\frac{G_{w^*}Y_{w^*}W_o}{W_o + (W_a - W_b)}$ Unit Weight Of Water (g/cc)					
G <sub>s</sub> =	K•G <sub>t</sub>		Averag	e Specific Gr	avity At 20°c	<u>z</u> .
valu	es found in ASTM D854-58, Table	:1				
NOTE	G <sub>s</sub> = G <sub>t</sub> When Test Run at 20 °c					

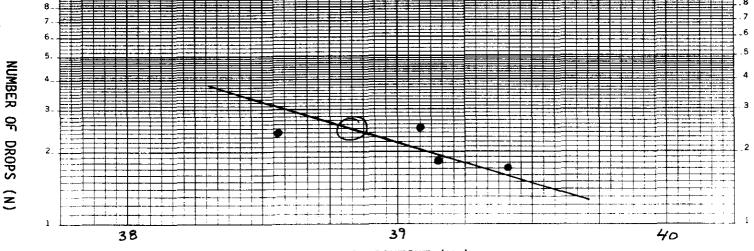
Checked By HCBenny

HYDROMETER ANALYSIS DATA SHEET									
-	Sam	ple il	<u> </u>	012 //Z			Page/ of/	<del></del>	
						n 7	-8-90		
	Procedure ETAL 07 Rev /								
					MENTITEM	NO.	CALIBRATION DUE DATE		
				Hydrometer			2-16-91		
				Balance		3304	3-25-90		
				Thermometo	er/Thermocouple	2000	2-9-91		
	Sp	ecific	gravity o	f Sample	2.66	HYGROSO	DEC MOISTURE C	ONTENIT	
	% Passing No. 10 Sieve //OO (%)  Wt. Container + Air Dry Soil								
Hygroscopic Correction Factor									
					•	Wt. Container + C	· · · · · · · · · · · · · · · · · · ·		
WEIGHT OF SAMPLE				<u>/EIGHT OF SAN</u>	<u>IPLE</u>	Wt. Container	·	(c	)
	Wt. Container + Soil(g) Water Content(%)								
	Wt. Container(g)								
	Wt. Soil <u>69, 13</u> (g)								
			COM	APOSITE CORRE	CTION	Tube F	<del></del>		<del></del>
	1 st	Reac		_	<u>24.7</u> ℃				<del></del>
				<i>NA</i> at					<del></del>
		,				<del></del>	<del></del>		····
•		-							<del></del>
			τ	<u> </u>	<del></del>				<del></del>
	Dat	e	Clock time	Elapsed time (min)	Hydrometer reading	Hydrometer with composite correctio	Temp.	Soil in suspension (%)	Particle diameter (mm)
3	-8	-90	0944	2.0	47	40	23.5	57,9	0.027
		· 	0947	5.0	40	33	23.4	47.7	0.018
			0957	15.0	32	25	23.3	36.2	0.011
			1012	30.0	27	20	27.7	28.9	0.008
			1042	60.0	22	15	73.0	21.7	0.006
	$\sqrt{V}$	1	1352	250.00	16	9	22.4	13.0	0.003
2	-9	-90	0942	1,440.0	11	4	22.4	5.8	0.001
-	Fori	mulas	and Tables u	used to calculate pe	ercent Soil in suspension, p	particle diameter and hygrosco	pic correction factor a	re found in AST	M D422.
			TRAINED	ND UTILIZED CALI	BRATED TEST INSTRUMEN	TELY RECORDED. THE TEST OP NTS AS INDICATED ABOVE, API			
			Checked 8	o to produce this	E ABOVE DATA.	Date <u>3</u> —	20-90		

A-6400-205 (1-87)

#### PLASTIC INDEX SOILS DATA SHEET

Sample No. O-1/2 Page 1 of 2Test Operator HUBenny Date 4/9/90Thermometer No. 0007 Calibration Date 8/16/90



### WATER CONTENT (Wn)

Liquid Limit (LL) 38.83 Graph
Liquid Limit (LL) NA One Point
Moisture (LL) 38.83%

Plastic Limit (PL) 33.30 (Avg.)

Liquid Limit (LL) <u>NA</u> One Point Moisture (PL) 34.05% 34.15% 31.71%

Plastic Index (PI)\* 7.12 5.53 2.48

\*PI = LL - PL

Remarks\_

ALL DATA ARE ACCURATELY AND COMPLETELY RECORDED.
THE TEST OPERATOR WAS APPROPIATELY TRAINED AND ULITIZED
CALIBRATED TEST INSTRUMENTS. APPROVED TEST PROCEDURES WERE
FOLLOWED TO PRODUCE THIS DATA.

### SOIL MOISTURE DATA SHEET

PROCEDURE NO. ETAL-018 REV. NO. \_\_\_\_\_\_

THERMOMETER NO. COO 7 CALIBRATION DUE DATE 5/16/90

	SAMPLE NO.	WET WT. + CAN	DRY WT. + CAN	CAN WT.	WET WT. SOIL	DRY WT. SOIL	% WATER
	0-112-1	24.81	23.39	19.22	5.59	4.17	34.05
	-2	24.04	22.64	18.54	5.50	4.10	34.15
	-3	23.53	22.62	19.75	3.78	2.87	31.71
Blows					Au	e % Water	33.30
18	0-112-4	27.82	24.43	15.77	12.05	8.66	39.15
25	-5	22.80	19.56	11.27	11-53	8-29	39.08
17	-6	23.97	20.38	11.27	12.70	9.11	39.41
24	- 7	26.79	24.82	19.71	7.08	5.1/	38.55
!					Ave	. % Water	39.05
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00 411 90 ALL REQUIRED DATA ARE ACCURATELY AND COMPLETELY RECORDED. THE TEST OPERATOR WAS APPROPRIATELY TRAINED AND TEST PROCEDURES FOLLOWED TO PRODUCE THE ABOVE DATA

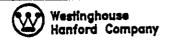
TEST OPERATOR: HCBenny DATE 4/9/90

Westingh	ouse
Hanford	Company
	Westingh Hanford

. .

## CHAIN OF CUSTODY

Company Contact: Jon Lindber	<u>Telephone</u>	8-5005
Sample Collected by: K.M. Singleton		20 Time: <u>1342, 1155, 1115</u>
Sample Locations: <u>1100-Em-1, M</u>	ω-3	
Ice Chest No.: NA	Field Logbook & Page N	o.: <u>WHC-N-306-2</u>
Remarks: Have a nroe day Je	erry	
Bill of Lading No.: NA	Off Site Property No.:	NA
Method of Shipment: <u>Van</u>		
Shipped to: <u>200-East</u> 210	1-M LAB	
	Sample Identification	100
1 MW-3-1, plastic bag		
6) MW-3-2, plante bag		<del></del>
Sino Cr, plante Bag	· · · · · · · · · · · · · · · · · · ·	u.A.
3) MW-3-3, plastic bag &s	tainles /	116
steel lines		<i>N4</i> J
	<del></del>	1. d
CHAIN OF POSSESSION	<del></del>	
Relinguished by:	Received by:	Date/Time:
Fill inflit, p.M. Single for	J. VAUGHN J. Laughn	2/21/90 1015
J. VACEHN OF Vaughn	Received by:	Date/Time:   Date/Time
Relinquished by:	Received by:	Date/Time:
		<u> </u>
Relinquished by:	Received by:	Date/Time:
		FVR\071889-B



## SAMPLE ANALYSIS REQUEST

mpany	Contact I. Lindberg	<del></del>	Telephone ( ) 6-5005
AMPLE IUMBER	NUMBER & TYPE OF SAMPLE CONTAINERS	TYPE OF SAMPLE	ANALYSIS REQUESTED
1W34	I plante bry	snil	Grainsize
	1 platic bag	snil	Grain size
W-3·3	1 steel line in a	soil	Grain size, A. limits,
	••	······························	
old Infor	mation **		
ecial Ho	andling and/or Storage_		
RT II:	LABORATORY SECTION		
			] Date

SURVEYED BY DV FOR SHIPVEY	
Dose rate - side of container < 0, ≥ mr-hr	
Max. dose rate through the containermr-hr	
Dose rate to handle container 47 mr-hr	
Dose rate at nearest approach on conveyance 🏒mr-hr	
External contamination < D > BY	
SWP and RSR required Yes □ No Æ	
SURVEYED BY THE STATE OF STATE OF STATE OF STATE OF STATE OF SURVEYED BY RM FOR SHIPMENT	
Dose rate - side of container C:5 mr-hr	
Max. dose rate through the containermr-hr	
Dose rate to handle containermr-hr	
Dose rate at nearest approach on conveyance mr-hr	
External contamination $\leq D \propto B X$	
SWP and RSR required  Yes □ No 1□	
SURVEYED BY TORKER DATE 2-16-80	
SURVEYED BY RM FOR SHIPMENT  Dose rate - side of container  Max. dose rate through the container  Dose rate to handle container  mr-hr  Dose rate at nearest approach on conveyance  mr-hr  External contamination  SWP and RSR required  Yes  No  SURVEYED BY	

## SURVEYED BY RM FOR SHIPMENT

<0.5 mr-hr
/_mr-hr
7 mr-hr
eyancemr-hr
EX
No -ti
N-3-5